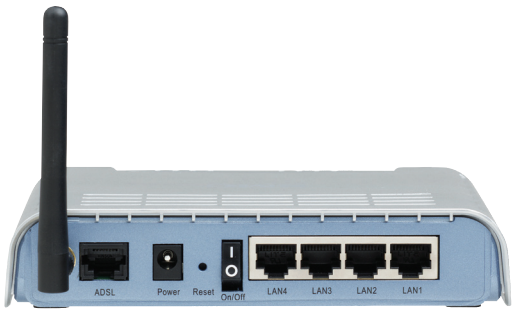
Broadband Router

SMC7904WBRA2

ADSL2 Barricade™g Wireless 4-Port Annex A ADSL2/2+ Modem Router



OVERVIEW

The SMC7904WBRA2 combines an ADSL2/2+ modem, router, 4-port 10/100 LAN switch, 802.11g wireless access point & robust SPI firewall making it the complete solution for securely connecting & sharing your high speed ADSL connection, wired or wirelessly. It gives you instant always on internet connectivity with download speeds up to 24Mbps – ideal for streaming multimedia content to the home. The EZ Installation Wizard with on-screen help configures your ADSL connection & wireless network in 5 easy to follow steps. Even configuration of advanced functions is made easy with the intuitive web based management interface. The integrated 4-port 10/100 LAN switch with full-duplex operation lets you directly connect four computers or expand your network by connecting additional switches, while the 802.11g wireless access point gives you the freedom to roam wirelessly. Quality-of-Service gives priority to real-time, delay sensitive applications like Voice-over-IP and video-on-demand to improve the user experience. The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System (IDS) & Denial-of-Service (DoS) provides robust security from hackers. VPN pass-through is also provided for securely connecting to your office or corporate network.

FEATURES	BENEFITS
Easy setup	The intuitive web based management interface with EZ Installation Wizard & on-screen help makes setup a breeze- configure your ADSL connection in 5 easy to follow steps.
High speed Internet access	Instant always on internet connectivity for wired & wireless computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transport at up to 24Mbps downstream.
Quality-of Service (QoS)	The SMC7904WBRA2 is optimized to prioritize real-time applications like voice & video. WMM (WiFi Multimedia) delivers Quality-of-Service to the wireless network, while IP QoS prioritizes outbound internet traffic.
Security	The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System (IDS) & Denial-of-Service (DoS) provides robust security from hackers while VPN pass-through allows secure connectivity to your office or corporate network. Access Control Lists (ACL's) with URL blocking allows you to control access to internet services & filter inappropriate web sites.

SMC Networks

TECHNICAL SPECIFICATIONS — SMC7904WBRA2

PHYSICAL INTERFACES
- WAN: ADSL2/2+ RJ-11 port
- LAN: Four 10/100Mbps auto MDI/MDIX RJ-45 ports
- Wireless: 54Mbps 802.11g Wireless Access Point
- External 2dBi detachable antenna (Reverse SMA connector)
- Internal 2dBi antenna
- Power Input: DC12V 1A
- Wall-mountable (screws not included)
- On/Off power switch
- Reset button

ADSL FEATURES
- T1.413, G.DMT, G.LITE, ADSL2, ADSL2+
- Dying GASP support
- Annex A, L, M
- TR-067 interoperability tested

ATM FEATURES
- Class-of-Service: UBR, CBR, VBR, VBR-rt, VBR-nrt
- Up to 8 PVC's
- RFC1483 Encapsulation (IP, Bridging & encapsulated routing)
- PPP over ATM (RFC2364)
- PPP over Ethernet
- Classical IP (RFC1577)
- VC-Mux & LLC encapsulation
- OAM F4/F5 support

MANAGEMENT FEATURES
- Web based management interface
- TELNET
- TFTP
- SNMP v1/2c
- Automatic time maintenance (SNTP)
- Event logging
- Diagnostic tools
- TR-069 WAN management protocol*

SECURITY FEATURES
- Password protected management interface
- NAT firewall
- Stateful Packet Inspection (SPI), Intrusion detection logging & email notifications, Denial-of-Service (DoS) protection
- Access Control Lists, URL Blocking, Rule scheduling
- VPN pass-through (IPSec-ESP Tunnel mode, L2TP, PPTP)
- 64/128 bit WEP encryption
- WPA/WPA2 Pre-Shared Key (PSK) & Enterprise mode (IEEE802.1x)
- WLAN MAC address filtering
- Disable SSID broadcasting

LAN FEATURES
- IEEE 802.1d (self learning transparent bridging)
- DHCP Server
- DNS Proxy / Relay
- Static Routing, RIP v1/2
- Port based VLAN

FUNCTIONS
- UPnP, Port forwarding, Virtual DMZ host, WMM (WiFi Multimedia), Wireless Distribution System (WDS), IP Layer QoS with Diffserv (RFC2474), DDNS

WIRELESS RF MODULE FREQUENCY BAND
- 802.11b/g Radio: 2.4 GHz
- USA – FCC: 2412~2462MHz (Ch1~Ch11)
- Canada – IC: 2412~2462MHz (Ch1~Ch11)
- Europe – ETSI : 2412~2472MHz (Ch1~Ch13)

MAX RF OUTPUT POWER
- 802.11b: 18 dBm
- 802.11g: 16 dBm

MODULATION TYPE
- OFDM, CCK

CERTIFICATIONS
- CE, R&TTE, CB, CSA/NRTL, FCC part 15 class B & FCC part 68 & FCC part 68
- EN300328 (2003-04)
- EN301489-1 (2001-09), EN301489-17 (2002-08)
- EN60950:2000/IEC60950

TEMPERATURE
- Temperature: IEC 68-2-14
- 0 to 40 degrees C (Standard Operating)
- -20 to 70 degrees C (Non-Operating)

HUMIDITY
- 10% to 95% (Non-condensing)

DIMENSIONS
- 158.95mm (W) x 147.12mm (D) x 33.2mm (H)

WEIGHT
- 1.224kg

POWER INPUT
- 12V/1A

SYSTEM REQUIREMENTS
- ADSL Internet Service
- 2.4GHz Wireless adapter or Ethernet adapter installed on each PC
- Windows 98SE/ME/2000/XP, Mac OS, Linux or Unix
- Internet Explorer 5.5 or above, Netscape 4.7 or above, Mozilla 1.7 or above & Firefox 1.0 or above

PACKAGE CONTENTS
- SMC7904WBRA2 ADSL2 Barricade™g
- Power Adapter
- Ethernet cable (RJ-45)
- Phone cable (RJ-11)
- ADSL Splitter**
- Quick Install Guide
- Warranty registration card
- Installation CD containing manual

ACCESSORIES
- SMCHMANT-4 – 2.4GHz 4dBi Omni directional home antenna

*Optional software module available for Service Providers
** Most countries

Contact

North America
38 Tesla
Irvine, CA 92618
1-800-SMC-4YOU
24/7 Technical Support

Europe/ Africa
Fructuos Gelabert 6-8
08970 Sant Joan Despí
Barcelona, Spain

Check www.smc.com for your local country contact information